Test Type: 14-DAY

Route: DOSED FEED
Species/Strain: Rat/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/21/2014 Time Report Requested: 18:15:36

First Dose M/F: NA / NA

Lab: MBA

C Number: C99007

Lock Date: 10/11/2001

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 14-DAY

Test Compound: Goldenseal root powder

Route: DOSED FEED

CAS Number: GOLDENSEALRT

Species/Strain: Rat/F 344/N

Date Report Requested: 10/21/2014
Time Report Requested: 18:15:36

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male	
VEHICLE CONTROL	_

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
AMINAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	1	2	3	4	5	

*TOTALS

Alimentary System

Liver + + + + + 5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

- X ..Lesion present
- I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

CAS Number: GOLDENSEALRT

Time Report Requested: 18:15:36

Date Report Requested: 10/21/2014

First Dose M/F: NA / NA

Lab: MBA

F	344/N	Rat	Male
۷	EHICL	E C	ONTROL

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
V VIIIVAVI ID	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	1	2	3	4	5	

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

5

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:36

First Dose M/F: NA / NA

Lab: MBA

CAS Number: GOLDENSEALRT

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

DAY ON TEST

F 344/N Rat Male 1560 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder

Species/Strain: Rat/F 344/N

CAS Number: GOLDENSEALRT

Date Report Requested: 10/21/2014 Time Report Requested: 18:15:36

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

F 344/N Rat Male 1560 PPM

Test Type: 14-DAY

Route: DOSED FEED

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 14-DAY **Route:** DOSED FEED

Test Compound: Goldenseal root powder

1

CAS Number: GOLDENSEALRT

Date Report Requested: 10/21/2014 Time Report Requested: 18:15:36

First Dose M/F: NA / NA

Lab: MBA

Species/Strain: Rat/F 344/N

F	344	1/N	Rat	Male
3′	121	PP	M	

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
AMIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	2	2	2	2	2	
	1	2	3	4	5	*TOTALS

Alimentary System

Liver +

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

CAS Number: GOLDENSEALRT

Time Report Requested: 18:15:36

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Lab: MBA

F 344/N Rat Male 3121 PPM

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	5	5	5	5	5	
ANIIMAL ID	0	0	0	0	0	l
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	2	2	2	2	2 5	
	1	2	3	4	5	

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:36

First Dose M/F: NA / NA

Lab: MBA

CAS Number: GOLDENSEALRT

Route: DOSED FEED Species/Strain: Rat/F 344/N

Test Type: 14-DAY

DAY ON TEST

F 344/N Rat Male 6250 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder

Route: DOSED FEED Species/Strain: Rat/F 344/N **CAS Number: GOLDENSEALRT**

Time Report Requested: 18:15:36

Date Report Requested: 10/21/2014

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

F 344/N Rat Male 6250 PPM

Test Type: 14-DAY

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

CAS Number: GOLDENSEALRT

Time Report Requested: 18:15:36 First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Lab: MBA

F 344/N	Rat Male
12500	PPM

DAY ON TEST	0	0	0	0	0	
	<i>1</i> 5					
ANIMAL ID	0	0	0	0	0	
	0 4	0 4	0 4	0 4	0 4	
	1	2	3	4	5	

*TOTALS

Alimentary System

5 Liver

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:36

Lab: MBA

F 344/N Rat Male 12500 PPM

DAY ON TEST	0	0	0	0	0
	<i>1</i> 5				
ANIMAL ID	0 0 0	0 0	0 0	0 0	0 0
	4		4	4	4
	1	4 2	3	4	5

*TOTALS

5

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

CAS Number: GOLDENSEALRT

Time Report Requested: 18:15:36

Date Report Requested: 10/21/2014

First Dose M/F: NA / NA

Lab: MBA

	DAY ON TEST	U	0	l
F 344/N Rat Male		0	0	
r 344/IN Nat Maie		1	1	
25000 PPM	DAY ON TEST	5	5	
	ANIMAL ID	0	0	ſ
	ANIIVIAL ID	\sim		ı

*TOTALS

Alimentary System

Liver + + + + + 5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

- X .. Lesion present
- I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:36

Lab: MBA

F 344/N Rat Male 25000 PPM

DAY ON TEST	0	0	0	0	0
	<i>1</i> 5	<i>1</i> 5	<i>1</i> 5	<i>1</i> 5	1 5
ANIMAL ID	0 0 0	0 0 0	0 0	0 0 0	0 0
	5 1	5 2	5 3	5 4	5 5

*TOTALS

5

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ + + + + +

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder **CAS Number: GOLDENSEALRT**

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

Time Report Requested: 18:15:36 First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Lab: MBA

F 344/N	Rat Male
50000	PPM

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	6	6	6	6	6	
	1	2	3	4	5	*

TOTALS

Alimentary System

5 Liver

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:36

Lab: MBA

F 344/N Rat Male 50000 PPM

DAY ON TEST	0	0	0	0	0	
DAT ON TEST	-	-	-	U	U	ı
	0	0	0	0	0	ı
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	ı
	0	0	0	0	0	
	6	6	6	6	6	
	1	6 2	6 3	4	5	

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

END OF MALE DATA

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 14-DAY

Test Compound: Goldenseal root powder

Route: DOSED FEED

CAS Number: GOLDENSEALRT

Species/Strain: Rat/F 344/N

Date Report Requested: 10/21/2014 Time Report Requested: 18:15:36

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female **VEHICLE CONTROL**

DAY ON TEST	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
ANIMAL ID	0	0	0	0	0
AMINAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	1
	6	7	8	9	0

*TOTALS

5

Alimentary System

Liver

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

- X .. Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 14-DAY

Test Compound: Goldenseal root powder

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:36

Lab: MBA

F 344/N Rat Female VEHICLE CONTROL

Species/Strain: Rat/F 344/N

DAY ON TEST	0	0	0	0	0
	1 5	1 5	1 5	1 5	1 5
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	6	7	8	9	0

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

5

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

1

Test Type: 14-DAY

Test Compound: Goldenseal root powder

Route: DOSED FEED

CAS Number: GOLDENSEALRT

Species/Strain: Rat/F 344/N

F 344/N Rat Female

First Dose M/F: NA / NA Lab: MBA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:36

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
ANIMAL ID	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	2
	6	7	8	9	0

Alimentary System

1560 PPM

Liver

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

- X ..Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 14-DAY

Test Compound: Goldenseal root powder

Route: DOSED FEED

F 344/N Rat

1560 PPM

CAS Number: GOLDENSEALRT

Species/Strain: Rat/F 344/N

Lab: MBA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:36

First Dose M/F: NA / NA

	DAY ON TEST	0	0	0
Female		0	0	0
remale		1	1	1
		5	5	5
	ANIMAL ID	0	0	0
	AMIMAL ID	0	0	0
		0	0	0
		1	1	1
		6	7	8

*TOTALS

 $\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$

1 1 5 5

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

 $^{\star}\,$.. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Time Report Requested: 18:15:36

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Lab: MBA

DAY ON TEST

F 344/N Rat Female 3121 PPM

Species/Strain: Rat/F 344/N

ANIMAL ID

*TOTALS

Alimentary System

Test Type: 14-DAY

Route: DOSED FEED

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:36

Lab: MBA

DAY ON TEST

F 344/N Rat Female 3121 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder **CAS Number: GOLDENSEALRT**

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

Time Report Requested: 18:15:36

Date Report Requested: 10/21/2014

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

F 344/N Rat Female 6250 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder

Test Type: 14-DAY Route: DOSED FEED

CAS Number: GOLDENSEALRT

Species/Strain: Rat/F 344/N

First Dose M/F: NA / NA

Lab: MBA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:36

DAY ON TEST

F 344/N Rat Female 6250 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 14-DAY

Route: DOSED FEED

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Species/Strain: Rat/F 344/N

Date Report Requested: 10/21/2014
Time Report Requested: 18:15:36

First Dose M/F: NA / NA

Lab: MBA

F 344/N	I Rat Female
12500	PPM

					_	1
AY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
AMIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	4	4	4	4	5	
	6	7	8	9	0	*TO

*TOTALS

Alimentary System

Liver + + + + + 5

D

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

- X ..Lesion present
- I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 14-DAY

Test Compound: Goldenseal root powder

Route: DOSED FEED

CAS Number: GOLDENSEALRT

Species/Strain: Rat/F 344/N

Lab: MBA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:36

First Dose M/F: NA / NA

F 344/N	Rat	Female
12500	PPM	

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	<i>1</i> 5	5	5	5	5	
A N I I A A A A A A I A I D	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	4 6	4	4 8	4	5	
	6	7	8	9	0	L

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

5

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder **CAS Number:** GOLDENSEALRT

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

Time Report Requested: 18:15:36

Date Report Requested: 10/21/2014

First Dose M/F: NA / NA

Lab: MBA

F 344/N	Rat Female
25000	PPM

AY ON TEST	0	0	0	n	n	
AT ON ILOT	-	0	0	0	0	
	0	U	U	U	U	
	1	1	1	1	1	
ANIMAL ID	5	5	5	5	5	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	5	5	5	5	6	
	6	7	8	9	0	*TOTALS

Alimentary System

Liver + + + + + 5

D

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

- X ..Lesion present
- I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 14-DAY

Test Compound: Goldenseal root powder

Route: DOSED FEED

CAS Number: GOLDENSEALRT

Species/Strain: Rat/F 344/N

Lab: MBA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:36

First Dose M/F: NA / NA

F 344/N	Rat Female
25000	PPM

DAY ON TEST	0	0	0	0	0	
	1 5	1 5	1 5	1 5	1 5	
ANIMAL ID	0 0	0	0	0	0	
	0	0 5	0	0	0	
	0 5 6	5	5	5	6	
	6	7	8	9	0	

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

5

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder CAS Number: GOLDENSEALRT

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

Date Report Requested: 10/21/2014 Time Report Requested: 18:15:36

First Dose M/F: NA / NA

Lab: MBA

F 344/N	Rat Female
50000	PPM

AY ON TEST	0	0	0	0	0	
	Ŏ	Õ	Õ	Õ	Õ	
	1	1	1	1	1	
ANIMAL ID	5	5	5	5	5	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	6	6	6	6	7	
	6	7	8	9	0	*TOTALS

Alimentary System

Liver + + + + + 5

D

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

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Integumentary System

NONE

Musculoskeletal System

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Nervous System

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P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Goldenseal root powder

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:36

Lab: MBA

F 344/N Rat Female 50000 PPM

DAY ON TEST	0	0	0	0	0	
	<i>0</i> 1	1	1	1	1	
ANIMAL ID	5	5	5	5	5	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	6	6	6	6	7	
	6	7	8	9	0	

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

+ + + +

** END OF REPORT **

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

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^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

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